

10/546001

PCT Article 34 amendment

1) In the specification

On Page 6, line 12, please amend "Fig. 21" to "Fig. 1"

2) In the claims

Please amend claim 1 as follows:

1. (Amended) A brushless DC motor driving method comprising:

a brushless DC motor having a stator and a rotor including a permanent magnet,

an inverter for supplying electric power to the brushless DC motor,

a drive unit for driving the inverter,

a position detecting unit for outputting rotor position signal based on the voltage induced on the stator of the brushless DC motor,

a rotating speed detecting unit for detecting the rotating speed of the brushless DC motor from the rotor position signal,

a first waveform generating unit for outputting drive signal based on the rotor position signal, while performing PWM duty control,

a second waveform generating unit for outputting drive signal driving the brushless DC motor as a synchronous motor, while keeping the PWM duty constant, and

a commutation judging unit for driving the inverter through the drive unit by selecting one of the drive signal from the first waveform generating unit and the drive signal from the second waveform generating unit,

wherein the commutation judging unit selects the drive signal from the first waveform generating unit during low-speed rotation when the rotating speed of the brushless DC motor is under the prescribed rotating speed, and selects the drive signal from the second waveform generating unit during high-speed

rotation when the rotating speed of the brushless DC motor exceeds the
prescribed rotating speed.